

18HP1010

18" - 1000 W - 98 dB - 4 Ohm



NOMINAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Nominal Diameter | 460 mm (18 in) |
| Overall Diameter | 460 mm (18.11 in) |
| Bolt Circle Diameter | 440 mm (17.32 in) |
| Baffle Cutout Diameter | 421 mm (16.57 in) |
| Depth | 203.5 mm (8.01 in) |
| Flange and Gasket Thickness | 13.7 mm (0.54 in) |
| Net Weight | 10.1 kg (22.3 lb) |
| Shipping Box (Single Carton Box) | 503 x 500 x 258 mm (19.8 x 19.7 x 10.2 in) |
| Shipping Weight | 11.5 kg (25.4 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 4 Ohm Version | 04604093 |
|--------------------------------|----------|

NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) Treated Polycotton
- (4) $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

TECHNICAL PARAMETERS

| | |
|--------------------------------------|---|
| Nominal Impedance | 4 Ohm |
| Minimum Impedance | 3.5 Ohm |
| AES Power Handling (1) | 1000 W |
| Maximum Power Handling (2) | 2000 W |
| Sensitivity (1W/1m) | 98 dB |
| Frequency Range | 35-2000 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Cu |
| Former Material | Glass Fiber |
| Winding Depth | 23 mm (0.91 in) |
| Magnetic Gap Depth | 10.5 mm (0.41 in) |
| Flux Density | 1.05 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 7.1 dm ³ (0.251 ft ³) |
| Spider Profile | 2x non-adjacent symmetrical constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 35 Hz |
| Re | 2.7 Ohm |
| Qes | 0.32 |
| Qms | 7.8 |
| Qts | 0.31 |
| Vas | 225.9 dm ³ (7.98 ft ³) |
| Sd | 1207 cm ² (187.09 in ²) |
| Xmax (4) | 9.75 mm |
| Xdamage (5) | 21.9 mm |
| Mms | 186.2 g |
| Bl | 18.4 N/A |
| Le | 1.26 mH |
| Mmd | 138.8 g |
| Cms | 0.11 mm/N |
| Rms | 5.2 kg/s |
| Eta Zero | 2.88 % |
| EBP | 109 Hz |

